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RADIATION DOSES PERTINENT
TO LITTLE FELLER I
(NUCLEAR TACTICAL EXERCISE)

ASSUMPTIONS:

0.02 kt nuclear



b. Effective wind of 15 knots.

Total Infinity Doses (RAD)

Range (Meters)	Residual		Initial Neutron		Initial Gamma		Cloud Transit		Total	
	No Protection	Fox-hole	No Protection	Fox-hole	No Protection	Fox-hole	No Protection	Fox-hole	No Protection	Fox-hole
200	600	60	2000	600	280	28	27	14	2907	702
400	60	6	180	54	44	4.4	9	4.5	293	69
600	15	1.5	40	12	10	1	5	2.5	70	17
800	6	.6	10	3	4	.4	3	1.5	23	5.5
1000	3	.3	3.5	1	1.5	.15	2	1.0	10	3.0
1200	1.5	.15	.5	.15	1.0	.1	1	.5	4	.9
1500	.7	.07	-	-	-	-	.6	.3	1.5	.4
2000	.3	.03	-	-	-	-	.5	.3	1	.3

- NOTES:
1. Fission products assumed to arrive at very early times.
 2. Cloud transit dose based on integration under similar shaped curve at all distances--error not significant for this purpose--source HARDTACK WT-1602.
 3. Table provides doses for most serious downwind case line and total dose assumes cloud transit directly down that line.
 4. Following transmission factors are applied for the Foxhole case:
 - a. Residual - .1
 - b. Initial Neutron - .3
 - c. Initial Gamma - .1
 - d. Transit Cloud - .5 (Based on collimation by foxhole and orientation of soldier with respect to source. This is probably conservative.)

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RESTRICTED DATA
ATOMIC ENERGY ACT 1954

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